## CITY OF KIRKLAND CAPITAL IMPROVEMENT PROGRAM 2015 TO 2020

PROJECT #	ST 0088 000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT	ARTERIAL STREET LIGHT LED CONVERSION		
TITLE			
PROJECT	City-wide	PROJECT START	PROJECT STATUS
LOCATION		2016	New Project

## **DESCRIPTION/JUSTIFICATION**

A conversion from sodium vapor and other non-efficient lighting-bulb types to light-emitting diode (LED) light fixtures for street lights within the public right-of-way, city-wide. LED lamps can perform at the same lighting level as other types of lamps but use less energy. Saving in energy costs will pay for the capital cost of replacement in approximately 12 years.

## **REASON FOR MODIFICATION (WHERE APPLICABLE)**

POLICY BASIS	METHOD OF FINANCING (%)		
Other Plan	Current Revenue	0 %	
	Reserve (\$900,000)	100 %	
COUNCIL GOALS	Grants	0 %	
Balanced Transportation	Other Sources	0 %	
	Debt	0 %	
Environment	Unfunded	0 %	

CAPITAL COSTS	Prior Year(s)	2015	2016	2017	2018	2019	2020	2015-2020 TOTAL	Future Year(s)	Total Project
Planning/Design/	0	0	0	0	0	0	0	0	0	0
Engineering										
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	900,000	0	0	0	0	900,000	0	900,000
Comp. Hardware/ Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
Total	0	0	900,000	0	0	0	0	900,000	0	900,000
NEW MAINT. AND										
OPER.	0	0	0	0	0	0	0	0	0	0
NEW FTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	Minimal, lamps will be changed on existing poles.
Community economic impacts	Reduces electricity consumption, lowering energy costs.
Health and safety, environmental, aesthetic, or social effects	Positive environmental effects.
Responds to an urgent need or opportunity	Responds to environmental and Kirkland Green Codes
Feasibility, including public support and project readiness	Kirkland residents are supportive of the City's Green efforts
Conforms to legal or contractual obligations	N/A
Responds to state and/or federal mandate	N/A
Benefits to other capital projects	N/A
Implications of deferring the project	There are additional costs and negative environmental impacts to delaying the project
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references?  Attachment   (Specify)
LEVEL OF SERVICE IMPACT	<ul> <li>✓ Project provides no new capacity (repair, replacement or renovation).</li> <li>☐ Project provides new capacity. Amount of new capacity provided:</li> <li>✓ Project assists in meeting/maintaining adopted level of service.</li> <li>☐ Project required to meet concurrency standards.</li> </ul>